

Technical Data Sheet

SCHULAREC PA 66 GF 30

Polyamide 66

Product Description

30% glass fiber reinforced and heat stabilized, recycled grade

General

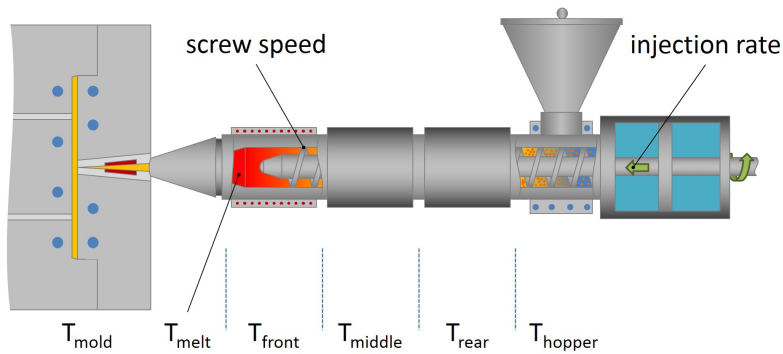
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.34 to 1.38 g/cm ³	1.34 to 1.38 g/cm ³	ISO 1183/A
Molding Shrinkage			ISO 294-4
Across Flow	0.80 to 1.2 %	0.80 to 1.2 %	
Flow	0.30 to 0.50 %	0.30 to 0.50 %	
Water Absorption - (23°C, water)	5.0 to 7.0 %	5.0 to 7.0 %	GE
Viscosity Number			ISO 307
96% H ₂ SO ₄ (Sulphuric Acid)	125 to 145 cm ³ /g	125 to 145 cm ³ /g	
Humidity Absorption - (23°C, 50% R. H.)	1.4 to 2.2 %	1.4 to 2.2 %	ISO 62
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	1.26E+6 psi	8700 MPa	ISO 527-2/1A/1
Tensile Stress (Break)	21800 psi	150 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.0 %	3.0 %	ISO 527-2/1A/5
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	2.9 ft·lb/in ²	6.0 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
73°F (23°C)	21 ft·lb/in ²	45 kJ/m ²	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature ¹	500 °F	260 °C	ISO 11357-3
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	FMVSS 302
Flame Rating			ISO 1210
0.031 in (0.8 mm)	HB	HB	
0.06 in (1.6 mm)	HB	HB	
Additional Information	Nominal Value (English)	Nominal Value (SI)	
Residual Humidity	< 0.20 %	< 0.20 %	
1.) Not for use in food contact applications			
2.) Not for use in medical or pharmaceutical applications			

Technical Data Sheet

SCHULAREC PA 66 GF 30

Polyamide 66



Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Suggested Max Regrind	20 %	20 %
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	140 to 248 °F	60 to 120 °C

Notes

¹ DSC

Notes

These are typical property values not to be construed as specification limits.